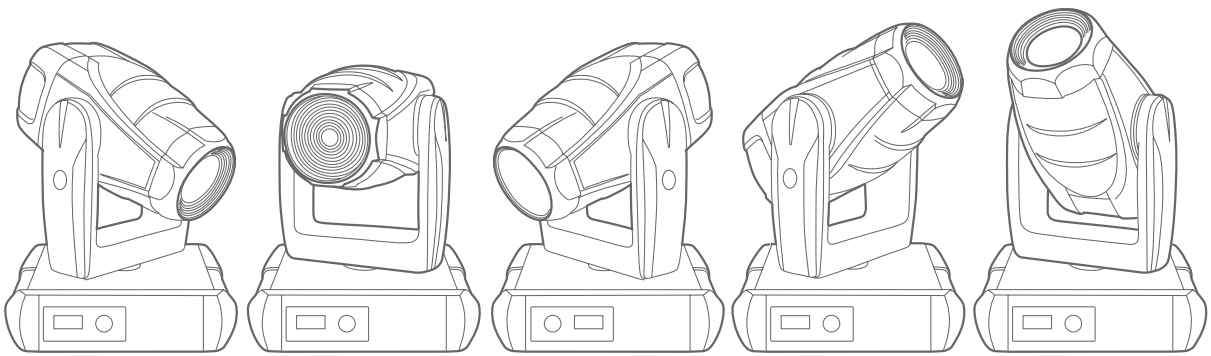
Giotto I500

SGM
Entertainment Lighting



Powerful, Radical, Modular, Expandable, Irreplaceable.

Giotto 1500

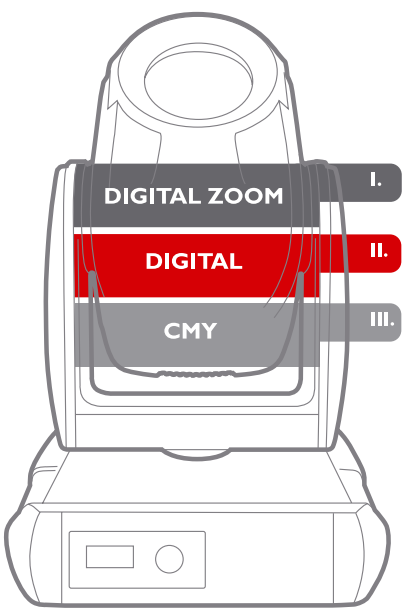
Brightness: this is the feature that distinguishes **SGM Giotto 1500**.
And increased luminous intensity is just one of the new features in a series manufactured using **technology** which opens up **enormous possibilities** for greater use of moving head fixtures. Rather than a range of products, the Giotto 1500 is an ingenious **expandable modular system,** which enables **each individual fixture to be configured** with the exclusive characteristics of different instruments.

Configurations

According to each project's needs, designers can personalise the unit, making it a **Spot**, **Wash**, **Profile**, **Beam** or **Digital** simply by changing the modular optics. Once the chosen version's modules are assembled, the fixture's electronics and the software will "identify" them and automatically adapt to suit them.

The concept of modularity on which the fixtures in the **Giotto 1500** are based makes them exceptionally flexible to use. And, because the modules can be updated new functions can easily be integrated without changing the entire fixture.

Digital configuration



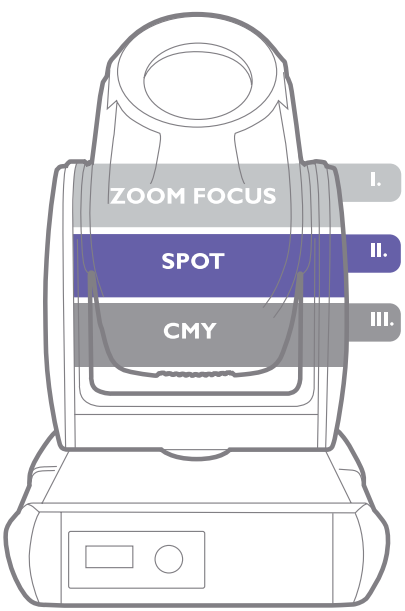
GIOTTO DIGITAL 1500	**020_2525**

Giotto Digital 1500 configuration:

DIGITAL MODULE	**020_2538**
DIGITAL ZOOM/FOCUS MODULE	**020_2540**
SPOT LENS	**210_1695**
REFLECTOR KIT	**210_1813**

SINGLE FLIGHT CASE - PLUS	**006_1856**
DOUBLE FLIGHT CASE - PLUS	**006_1857**

Spot configuration



GIOTTO SPOT 1500	**020_2515**

Giotto Spot 1500 configuration:

SPOT MODULE	**020_2535**
ZOOM/FOCUS MODULE	**020_2536**
SPOT LENS	**210_1695**
REFLECTOR KIT	**210_1772**

SINGLE FLIGHT CASE - PLUS	**006_1856**
DOUBLE FLIGHT CASE - PLUS	**006_1857**

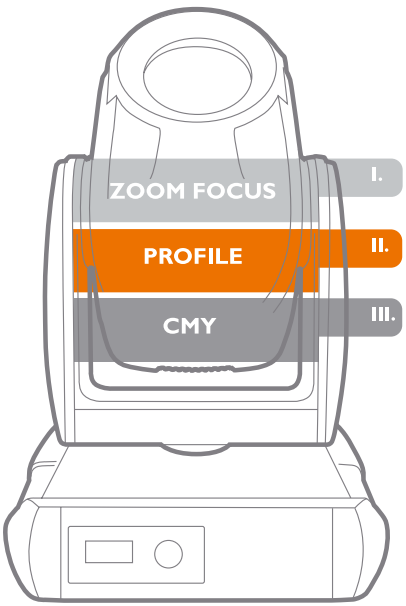
Wash configuration

GIOTTO WASH 1500	**020_2519**

Giotto Wash 1500 configuration:

WASH MODULE	**020_2539**
FRESNEL LENS	**210_1641**
PC ANTIALO LENS	**210_1640**
SUPERWIDE LENS	**210_1642**
REFLECTOR KIT	**210_1772**
SINGLE FLIGHT CASE - PLUS	**006_1856**
DOUBLE FLIGHT CASE - PLUS	**006_1857**

Profile configuration

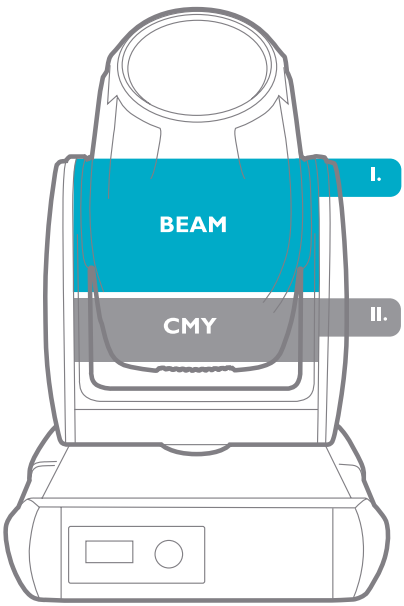


GIOTTO PROFILE 1500	**020_2522**

Giotto Profile 1500 configuration:

PROFILE MODULE	**020_2537**
ZOOM/FOCUS MODULE	**020_2536**
SPOT LENS	**210_1695**
REFLECTOR KIT	**210_1772**
SINGLE FLIGHT CASE - PLUS	**006_1856**
DOUBLE FLIGHT CASE - PLUS	**006_1857**

Beam configuration



GIOTTO BEAM 1500	**020_2528**

Giotto Beam 1500 configuration:

BEAM MODULE	**020_2542**
BEAM LENS	**210_1638**
REFLECTOR KIT	**210_1813**
SINGLE FLIGHT CASE - PLUS	**006_1856**
DOUBLE FLIGHT CASE - PLUS	**006_1857**

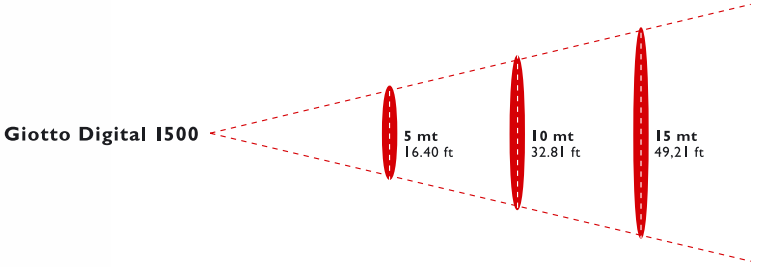
Digital configuration

GIOTTO 1500 assumes a revolutionary Digital format, with a unit combining the **"CMY"** module and the new **"Digital"** and **"Digital Zoom Focus"** modules.

Giotto Digital 1500 stands out for the fact that it has the typical format of a moving head fixture designed and manufactured mainly for entertainment lighting, but is equipped with an innovative all-digital system for the generation of graphic effects, while maintaining fundamental features such as fast movement, brightness, control standard and compact dimensions. **"CMY"** module, with CMY colour mixing system, linear CTO filter and DIMMER.

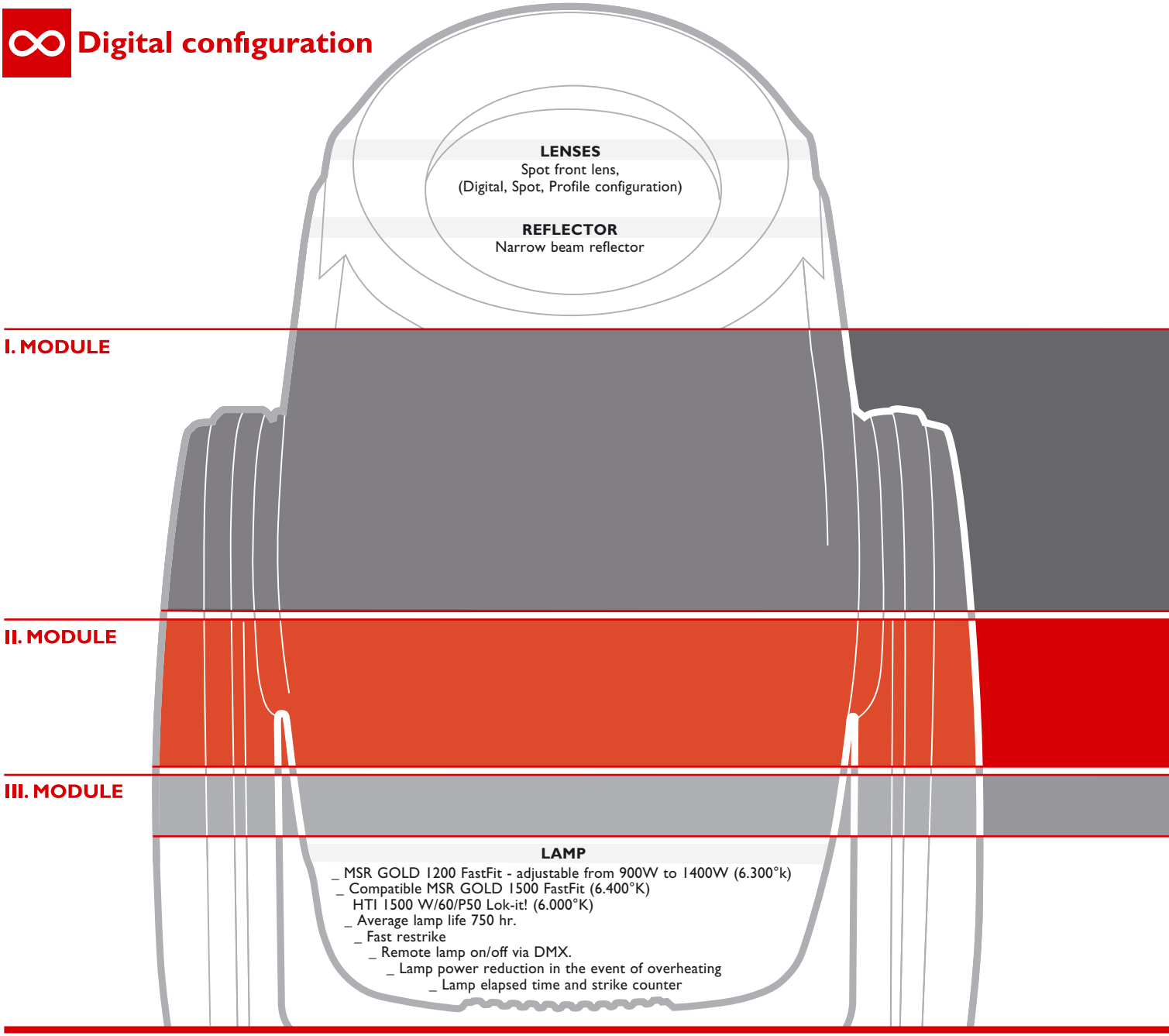
"Digital" module, with graphic processor (two simultaneous layers), expandable and customizable image (*.bmp or *.jpg format) and video clip (*.avi format) library, two customizable 6+5 colour +white wheels (Digital configuration).

"Digital Zoom Focus" module, with high resolution focus and zoom optic, prisms, shutter and linear frost.



1200 watt Total Lumen 8.000 11°	Lux max centre	18000	4500	2000
	Diameter (m)	1	2	3
	Foot candle max centre	1672	418	186
	Diameter (ft)	3,3	6,6	9,8
30°	Lux max centre	2160	540	240
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	201	50	22
	Diameter (ft)	9,5	18,9	28,4
1500 watt Total Lumen 10.000 11°	Lux max centre	22000	5500	2444
	Diameter (m)	1	2	3
	Foot candle max centre	2044	511	227
	Diameter (ft)	3,3	6,6	9,8
30°	Lux max centre	2640	660	293
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	245	61	27
	Diameter (ft)	9,5	18,9	28,4

Digital configuration



PAN & TILT
_ 530° Pan (4 sec.).
_ 250° Tilt (3.4 sec.).
_ Pan / Tilt Lock; electronic Pan / Tilt unlocking.
_ Pan/Tilt w. 8/16 bit resolution
_ Automatic Pan/Tilt repositioning

SETTINGS
_ Settings via on-board microcomputer viewable on display (even with fixture off)
_ Display "flip" function (rotates through 180°)
_ Adjustable display brightness
_ Fixture elapsed time indicator
_ On-board temperature sensors (base, power, one for each module)
_ Total fixture software update via DMX
_ Graphic display (128 x 64)

CONSUMPTION
_ Max consumption: 2,000 W
_ Automatic energy saving in the event of blackout use

ELECTRIC SPECIFICATION
_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V
_ Electronic Ballast

INPUT
_ DMX 512 or RS 232 input signal
_ 64 DMX channels - Digital configuration
_ Ethernet interface (ART-NET protocol)
_ Wireless DMX interface fitted as standard
_ RDM protocol implemented on DMX (monitoring of internal parameters)

DIMENSIONS (HxLxD) / WEIGHT
_ 79 x 48 x 55 cm
_ 45 kg - Digital configuration

DIGITAL ZOOM FOCUS

DIGITAL

CMY

DIGITAL ZOOM FOCUS MODULE

_ Linear frost
_ 1 rotating prism (4 facets)
_ 1 fixed prism (5 facets)
_ Motorized zoom (10°- 30°)
_ Motorized focus
_ Shutter
_ Strobe 1-12 flashes/second, also with music sync
_ Customizable *.avi format video clip library
_ Customizable *.bmp or *.jpg format image library
_ Library updating via WiFi (wireless)
_ 1024x768 pixel image resolution obtained with 0,7 XGA DLP® chip
_ 80 GB Hard Disk
_ 2 simultaneous layers
_ Effects for each layer: rotation and indexing, digital zoom, mirroring, negative converter effect
_ Global effects: digital iris, indexable digital beam shaper, 13 crossfade effects between layers, brightness and contrast, black and white masking effect, V-H mirroring, kaleidoscope

DIGITAL MODULE

_ 1 customizable colour wheel: 6 colours + white
_ 1 customizable colour wheel: 5 multicolours + white
_ Colour change with or without music sync and/or blackout
_ Rainbow colour
_ 2-tone beams
_ High efficency DLP® chip cooling system for maximum light output performance
_ Special DLP® chip light engine exclusively designed for professional lamp used in the entertaiment lighting with high CRI

CMY MODULE

_ Advanced CMY colour mixing
_ Linear CTO filter
_ Linear dimmer

Digital configuration

SGM technology for the Giotto Digital 1500 [patent pending]

All-digital Graphic Effects, Iris, Beam Shaper and Zoom.

Giotto Digital 1500 is the first and only moving head fixture on the market able to create all-digital completely customizable graphic effects, finally overcoming the typical limits of effects created using traditional gobo, iris, beam shaper and zoom set-ups.

Digital Graphic Effects

No more standard gobos.
With Giotto Digital 1500, in a few moments, all Designers can give their lighting new life and form, without being restricted by the ordinary use of standard gobos.

No more limits on the number of effects.
Giotto Digital 1500 provides new creative prospects for light plots, which can exploit of a practically endless library of images and clips.

No more waits and extra costs for custom gobos.
In a few moments, the Giotto Digital 1500 effects library can be expanded via WiFi with normal files in *.bmp or *.jpg and *.avi.

Digital Iris

The unit's digital iris effects, unobtainable up until now with a mechanical iris, offer more precise shapes and speed, closing to total blackout.

Digital beam shaper

The digital module offers the unique possibility of creating any shape by changing the position of four digital blades, avoiding all the problems typical of mechanical beam shapers, such as dimensions, inaccuracy and blade focus.

Optical and Digital Zoom

The mechanical zoom affects the light beam, enabling it to be smoothly opened or closed independently from the digital zoom. The digital zoom affects the digital effects individually for each layer, enabling to open or close the digital effect in the light beam.

Graphics Engine

Giotto Digital 1500 also features a powerful graphics engine able to handle images and/or clips in a library that can be freely updated via WiFi. Effects are generated by means of two mixable layers.
Each layer can freely use any clip or image in the library. Effect rotation, indexing and digital zoom can be applied individually to each layer, along with mirroring and negative converter functions.

As well as this, a set of over-all effects can be applied to both layers: digital iris, digital beam shaper, 13 crossfade effects between the layers, brightness and contrast, black and white masking effect.

WiFi

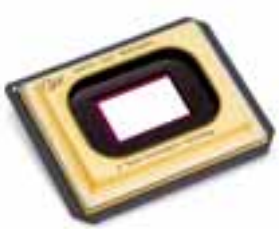
The on-board graphic libraries can be easily updated via WiFi (wireless) connection, ensuring user-friendly library maintenance in any installation situation.

Kaleidoscope

Kaleidoscopic-type effects can be applied to images or clips in the first Layer. This enables to generate an almost endless quantity of static or animated shapes, even using a simple static source image.

Cooling

The DLP's patented liquid cooling system is highly efficient and enables an output of over 10,000 lumens.

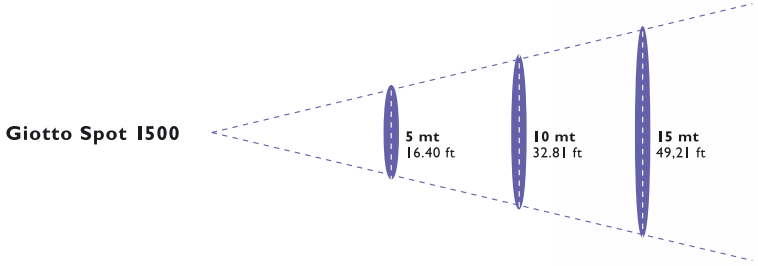


Spot configuration

In **SPOT configuration**, the **GIOTTO 1500** is perfect for those looking for a fixture with top-class expressive potential, featuring practically endless effects and an extremely powerful light beam. Thanks to its exclusive assembly format, the unit is easily built, fitting the **"CMY"**, **"Gobo"** and **"Zoom Focus"** modules one after another.

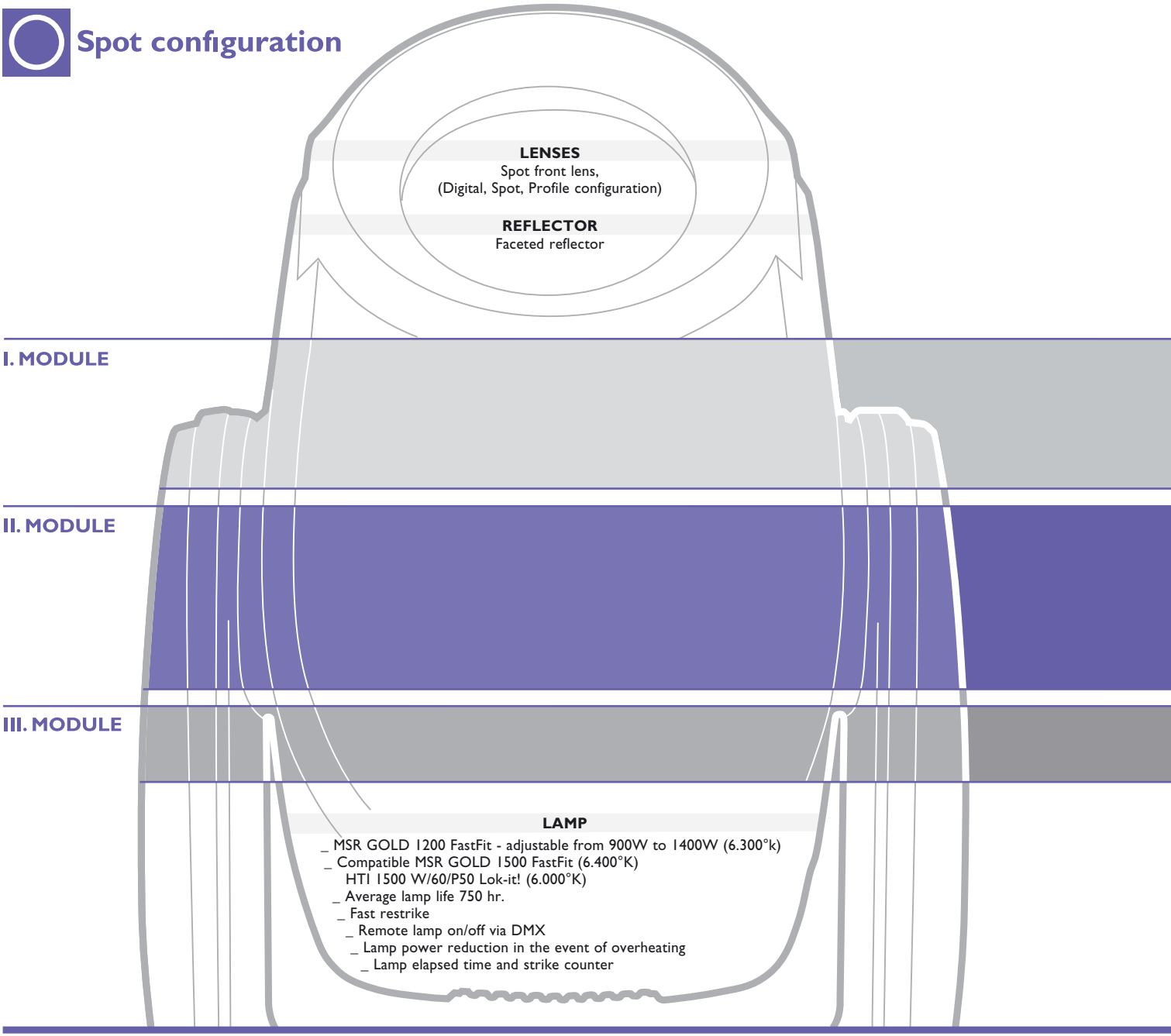
The first module contains the CMY colour mixing system, linear CTO filter and Dimmer.

"Gobo" hosts the optic functions necessary for creating a vast range of light effects: a colour wheel (5 colours plus white), two gobo wheels (each with 6 gobos plus white) and a space for the interchangeable animation wheel. As well as motorized focus and zoom, the **"Zoom Focus"** module also has an additional lens with three interchangeable functions: a second non-rotary overlapping prism, Zoom range extension and Wash function.



1200 watt	Lux max centre	46000	11500	5111
Total Lumen 35.000	Diameter (m)	1	2	3
	Foot candle max centre	4274	1068	475
11°	Diameter (ft)	3,3	6,6	9,8
	Lux max centre	5520	1380	613
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	513	128	57
30°	Diameter (ft)	9,5	18,9	28,4
1500 watt	Lux max centre	53000	13250	5889
Total Lumen 41.000	Diameter (m)	1	2	3
	Foot candle max centre	4924	1231	547
11°	Diameter (ft)	3,3	6,6	9,8
	Lux max centre	6360	1590	707
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	561	148	66
30°	Diameter (ft)	9,5	18,9	28,4

Spot configuration



PAN & TILT
_ 530° Pan (4 sec.).
_ 250° Tilt (3.4 sec.).
_ Pan / Tilt Lock; electronic Pan / Tilt unlocking.
_ Pan/Tilt w. 8/16 bit resolution
_ Automatic Pan/Tilt repositioning

SETTINGS
_ Settings via on-board microcomputer viewable on display (even with fixture off)
_ Display "flip" function (rotates through 180°)
_ Adjustable display brightness
_ Fixture elapsed time indicator
_ On-board temperature sensors (base, power, one for each module)
_ Total fixture software update via DMX
_ Graphic display (128 x 64)

CONSUMPTION
_ Max consumption: 2,000 W
_ Automatic energy saving in the event of blackout use

ELECTRIC SPECIFICATION
_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V
_ Electronic Ballast

INPUT
_ DMX 512 or RS 232 input signal
_ 35 DMX channels - Spot configuration
_ Ethernet interface (ART-NET protocol)
_ Wireless DMX interface fitted as standard
_ RDM protocol implemented on DMX (monitoring of internal parameters)

DIMENSIONS (HxLxD) / WEIGHT
_ 79 x 48 x 55 cm
_ 47 kg - Spot configuration

ZOOM FOCUS

SPOT

CMY

ZOOM FOCUS MODULE

_ Linear frost
_ 1 rotating prism (4 facets)
_ 1 fixed overlapping prism (5 facets)
_ Motorized zoom (12°- 36°)
_ Motorized focus
_ Shutter
_ Strobe 1-12 flashes/second, also with music sync

SPOT MODULE

_ Customizable and indexable colour wheel: 6 colours + white
_ Colour change with or without music sync and/or blackout
_ Rainbow colour
_ 2-tone beams
_ UV filter
_ 2 customizable gobo wheels: 6 rotating indexable gobos (16-bit)
_ Gobo change with or without music sync and/or with blackout
_ Linear iris diaphragm
_ Animation wheel (interchangeable); 360° rotation and 180° revolution

CMY MODULE

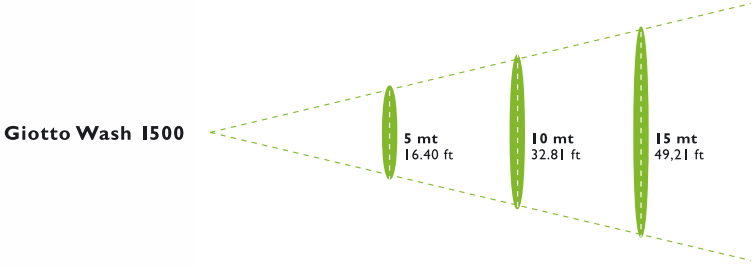
_ Advanced CMY colour mixing
_ Linear CTO filter
_ Linear dimmer

Wash configuration

In **WASH configuration**, the **GIOTTO 1500** features two modules: **"CMY"** (CMY colour mixing system, linear CTO filter and Dimmer) and the dedicated **"Wash"** module, with all the features that enable the fixture to emit diffused, soft even light.

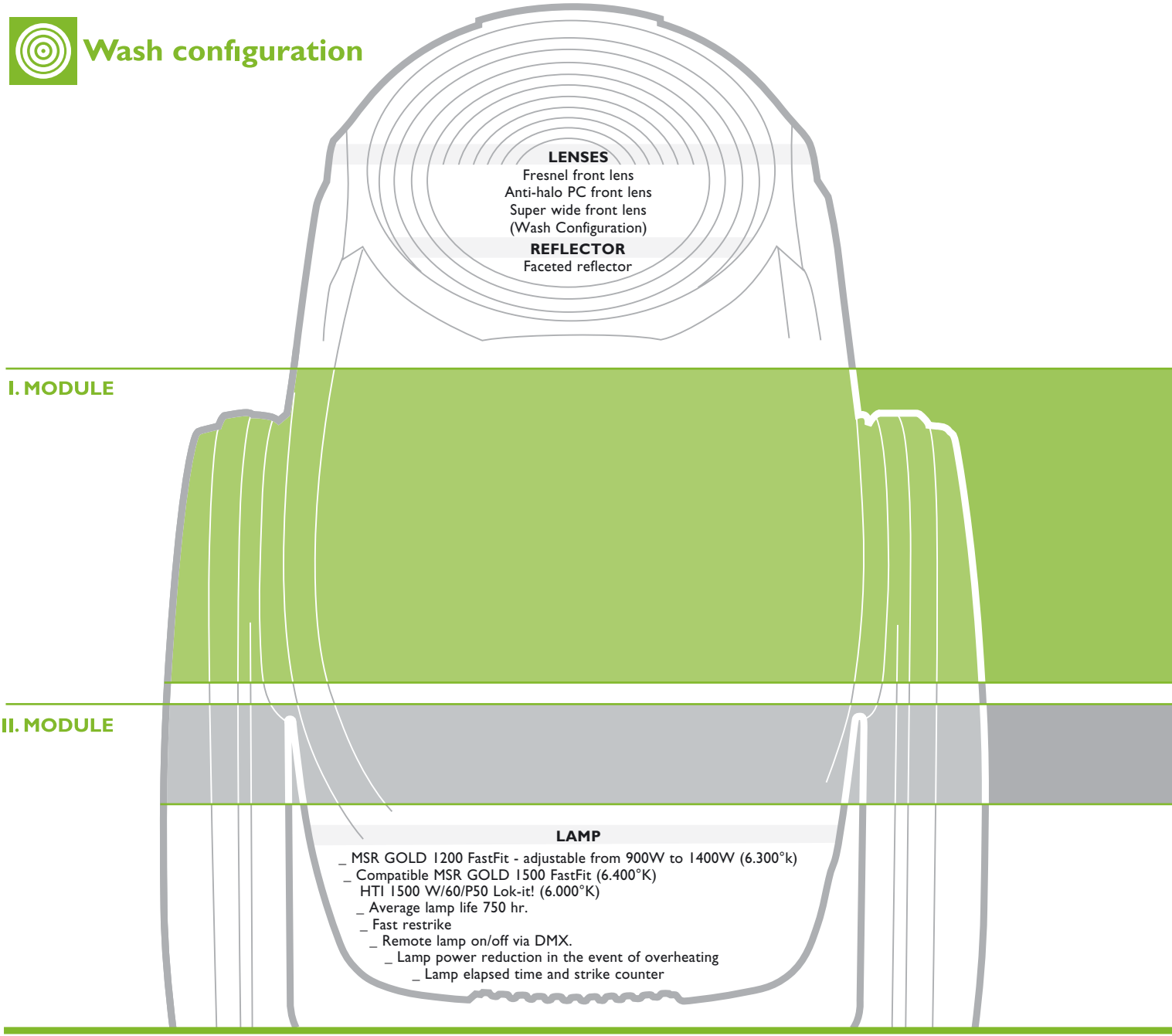
The various functions include a twin-blade built-in beam shaper, which sculpts the light projected on to specific zones of the set or scene, a field diaphragm and the possibility of adjusting the soft edge of the beam shaper and the field diaphragm.

The Zoom lenses enable to adjust beam aperture from 6° to 40°, whereas the Frost lens makes it perfectly even. Three dedicated lenses are available for the fixture in Wash configuration: The Fresnel Lens enables to obtain a beam for even colouring, the Anti-halo PC Lens gives a very narrow intense beam with a limited soft edge field and the Super Wide Lens gives a very wide even beam aperture.



1200 watt	Lux max centre	76000	19000	8444
Total Lumen 58.000	Diameter (m)	1	2	3
	Foot candle max centre	7061	1765	785
11°	Diameter (ft)	3,3	6,6	9,8
	Lux max centre	9120	2280	1013
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	847	212	94
30°	Diameter (ft)	9,5	18,9	28,4
1500 watt	Lux max centre	90000	22500	10000
Total Lumen 69.000	Diameter (m)	1	2	3
	Foot candle max centre	8361	2090	929
11°	Diameter (ft)	3,3	6,6	9,8
	Lux max centre	10800	2700	1200
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	1003	251	111
30°	Diameter (ft)	9,5	18,9	28,4

Wash configuration



PAN & TILT
_ 530° Pan (4 sec.).
_ 250° Tilt (3.4 sec.).
_ Pan / Tilt Lock; electronic Pan / Tilt unlocking
_ Pan/Tilt w. 8/16 bit resolution
_ Automatic Pan/Tilt repositioning

SETTINGS
_ Settings via on-board microcomputer viewable on display (even with fixture off)
_ Display "flip" function (rotates through 180°)
_ Adjustable display brightness
_ Fixture elapsed time indicator
_ On-board temperature sensors (base, power, one for each module)
_ Total fixture software update via DMX
_ Graphic display (128 x 64)

CONSUMPTION
_ Max consumption: 2,000 W
_ Automatic energy saving in the event of blackout use

ELECTRIC SPECIFICATION
_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V
_ Electronic Ballast

INPUT
_ DMX 512 or RS 232 input signal
_ 20 DMX channels - Wash configuration
_ Ethernet interface (ART-NET protocol)
_ Wireless DMX interface fitted as standard
_ RDM protocol implemented on DMX (monitoring of internal parameters)

DIMENSIONS (HxLxD) / WEIGHT
_ 79 x 48 x 55 cm
_ 45 kg - Wash configuration

WASH

WASH MODULE

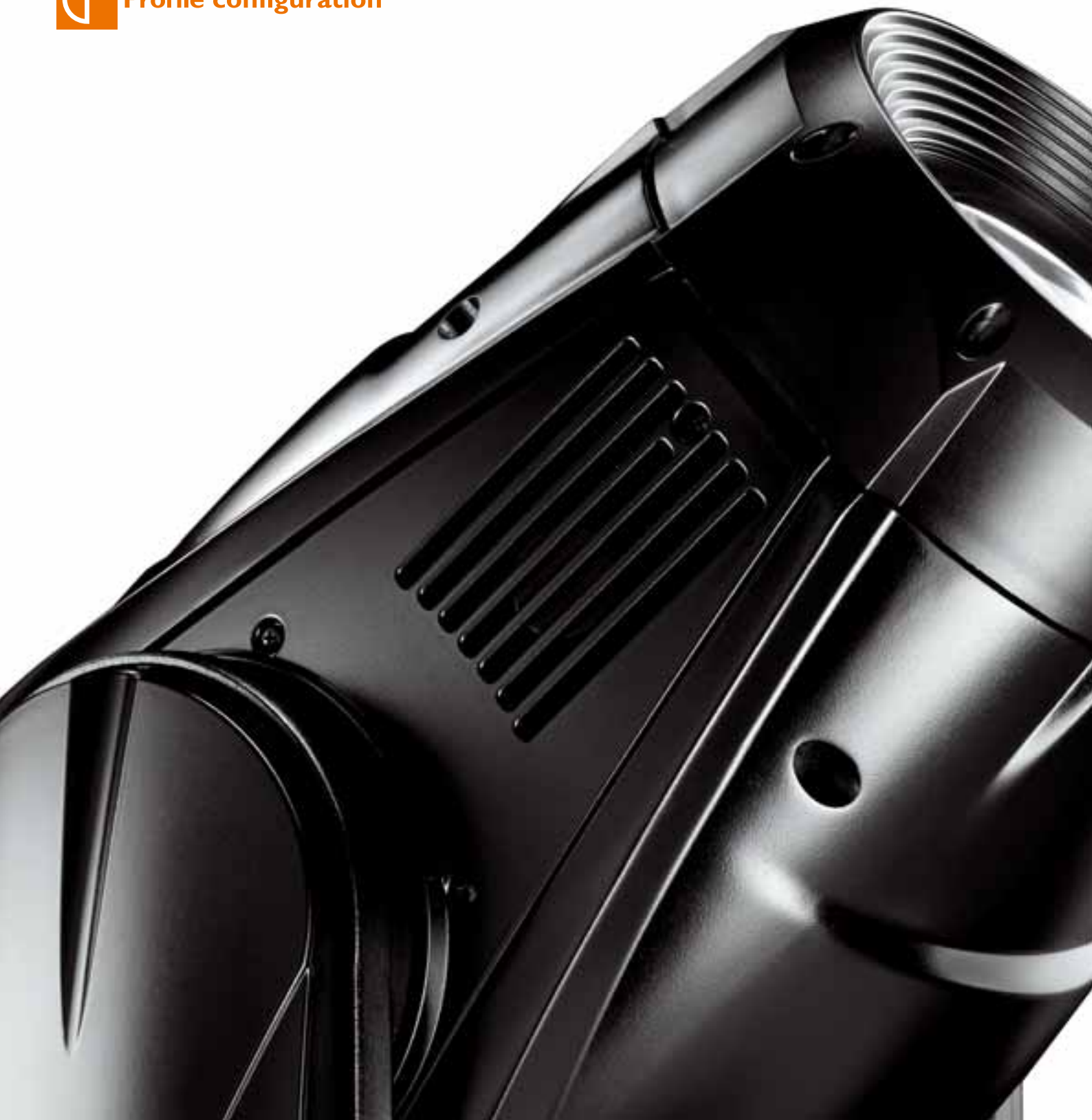
_ Motorized zoom (6°- 40°)
_ Shutter
_ Strobe 1-12 flashes/second, also with music sync
_ Customizable colour wheel: 4 colours + white
_ Colour change with or without music sync
_ Rainbow colour
_ Frost lens
_ Linear iris diaphragm
_ Adjustable indexable beam shaper (0° to 180°)
_ Linear hard/soft edge adjustment
of the beam shaper and iris diaphragm

CMY

CMY MODULE

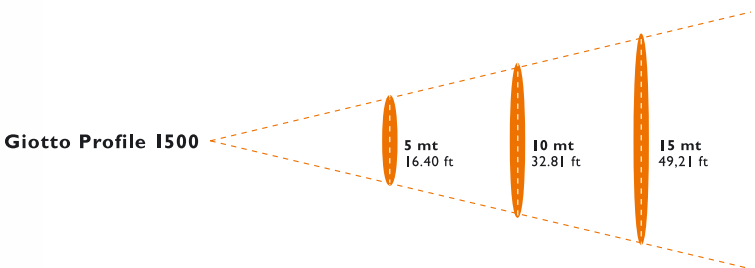
_ Advanced CMY colour mixing
_ Linear CTO filter
_ Linear dimmer

Profile configuration



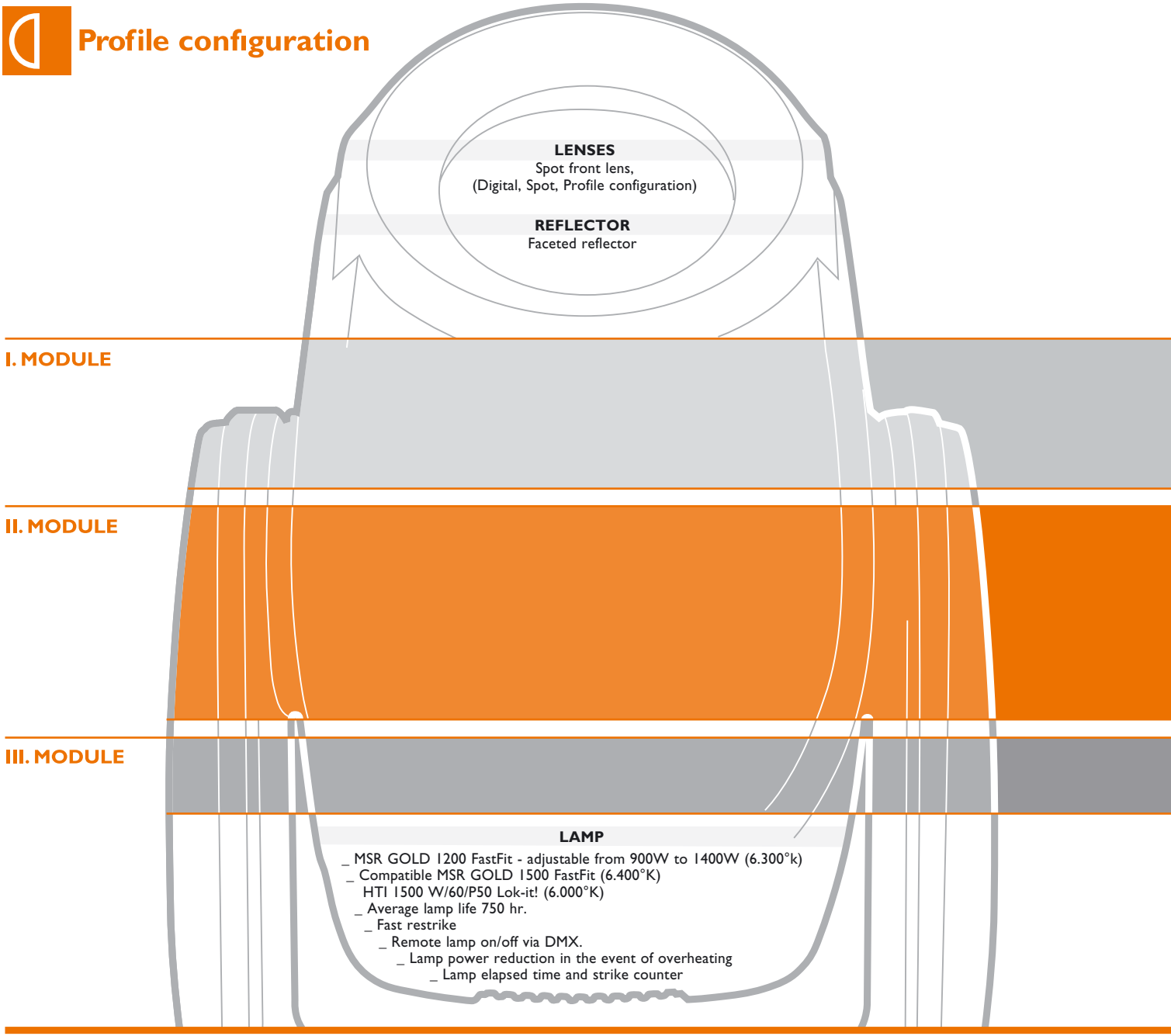
Thanks to the innovative internal layout, a **Giotto 1500 Profile** can be obtained by just fitting a **"Profile"** module between the first **"CMY"** module and the **"Zoom Focus"** module inside the fixture: this results in a high powered fixture with a vast range of effects that can be combined with the beam shaping feature typical of this type of unit. The **"Profile"** module has a colour wheel (5 colours plus white) and a gobo wheel (6 gobos plus white), as well as a four-blade beam shaper that enables to sculpt the light beam into various well-defined geometric shapes.

These functions give their best when used with those of the **"CMY"** module (CMY colour mixing system, linear CTO filter and Dimmer) and "Zoom Focus" (motorized focus and zoom, plus additional lens with three interchangeable functions: second non-rotary overlapping prism, Zoom range extension and Wash function).



1200 watt	**Lux max centre**	46000	11500	5111
Total Lumen 35.000	**Diameter** (m)	1	2	3
	Foot candle max centre	4274	1068	475
11°	**Diameter** (ft)	3,3	6,6	9,8
	Lux max centre	5520	1368	613
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	513	128	57
30°	**Diameter** (ft)	9,5	18,9	28,4
1500 watt	**Lux max centre**	53000	13250	5889
Total Lumen 41.000	**Diameter** (m)	1	2	3
	Foot candle max centre	4924	1231	547
11°	**Diameter** (ft)	3,3	6,6	9,8
	Lux max centre	6360	1590	707
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	591	148	66
30°	**Diameter** (ft)	9,5	18,9	28,4

Profile configuration



PAN & TILT
_ 530° Pan (4 sec.).
_ 250° Tilt (3.4 sec.).
_ Pan / Tilt Lock; electronic Pan / Tilt unlocking
_ Pan/Tilt w. 8/16 bit resolution
_ Automatic Pan/Tilt repositioning

SETTINGS
_ Settings via on-board microcomputer viewable on display (even with fixture off)
_ Display "flip" function (rotates through 180°)
_ Adjustable display brightness
_ Fixture elapsed time indicator
_ On-board temperature sensors (base, power, one for each module)
_ Total fixture software update via DMX
_ Graphic display (128 x 64)

CONSUMPTION
_ Max consumption: 2,000 W
_ Automatic energy saving in the event of blackout use

ELECTRIC SPECIFICATION
_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V
_ Electronic Ballast

INPUT
_ DMX 512 or RS 232 input signal
_ 35 DMX channels - Profile configuration
_ Ethernet interface (ART-NET protocol)
_ Wireless DMX interface fitted as standard
_ RDM protocol implemented on DMX (monitoring of internal parameters)

DIMENSIONS (HxLxD) / WEIGHT
_ 79 x 48 x 55 cm
_ 47 kg - Profile configuration

ZOOM FOCUS

PROFILE

CMY

ZOOM FOCUS MODULE

_ Linear frost
_ 1 rotating prism (4 facets)
_ 1 fixed overlapping prism (5 facets)
_ Motorized zoom (12°- 36°)
_ Motorized focus
_ Shutter
_ Strobe 1-12 flashes/second, also with music sync

PROFILE MODULE

_ Customizable and indexable colour wheel: 6 colours + white.
_ Colour change with or without music sync and/or blackout
_ Rainbow colour
_ 2-tone beams
_ UV filter
_ 1 customizable gobo wheel: 6 rotating indexable gobos (16 bit)
_ Gobo change with or without music sync and/or with blackout
_ Linear iris diaphragm
_ 4-blade beam shaper
_ 180° blade rotation
_ Closable to full blackout

CMY MODULE

_ Advanced CMY colour mixing
_ Linear CTO filter
_ Linear dimmer

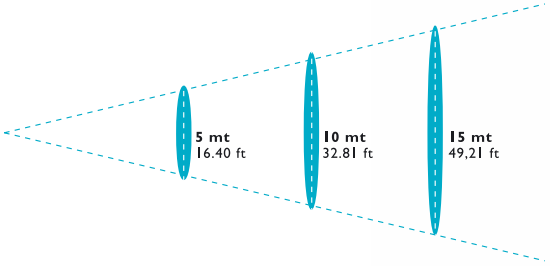
Beam configuration

In **Beam configuration**, **Giotto 1500** creates a very narrow, highly concentrated and powerful light beam. Its ideal application is on outdoor shows, to create light beams that can be clearly seen from a long distance. Thanks to the unit's special optics, light beam concentration can be adjusted in order to set the beam's focal point at the required distance (a unique feature in the beam fixture sector).

Thanks to its exclusive assembly format, the unit is easily put together, fitting the **"CMY"** and **"Beam"** modules one after another inside.

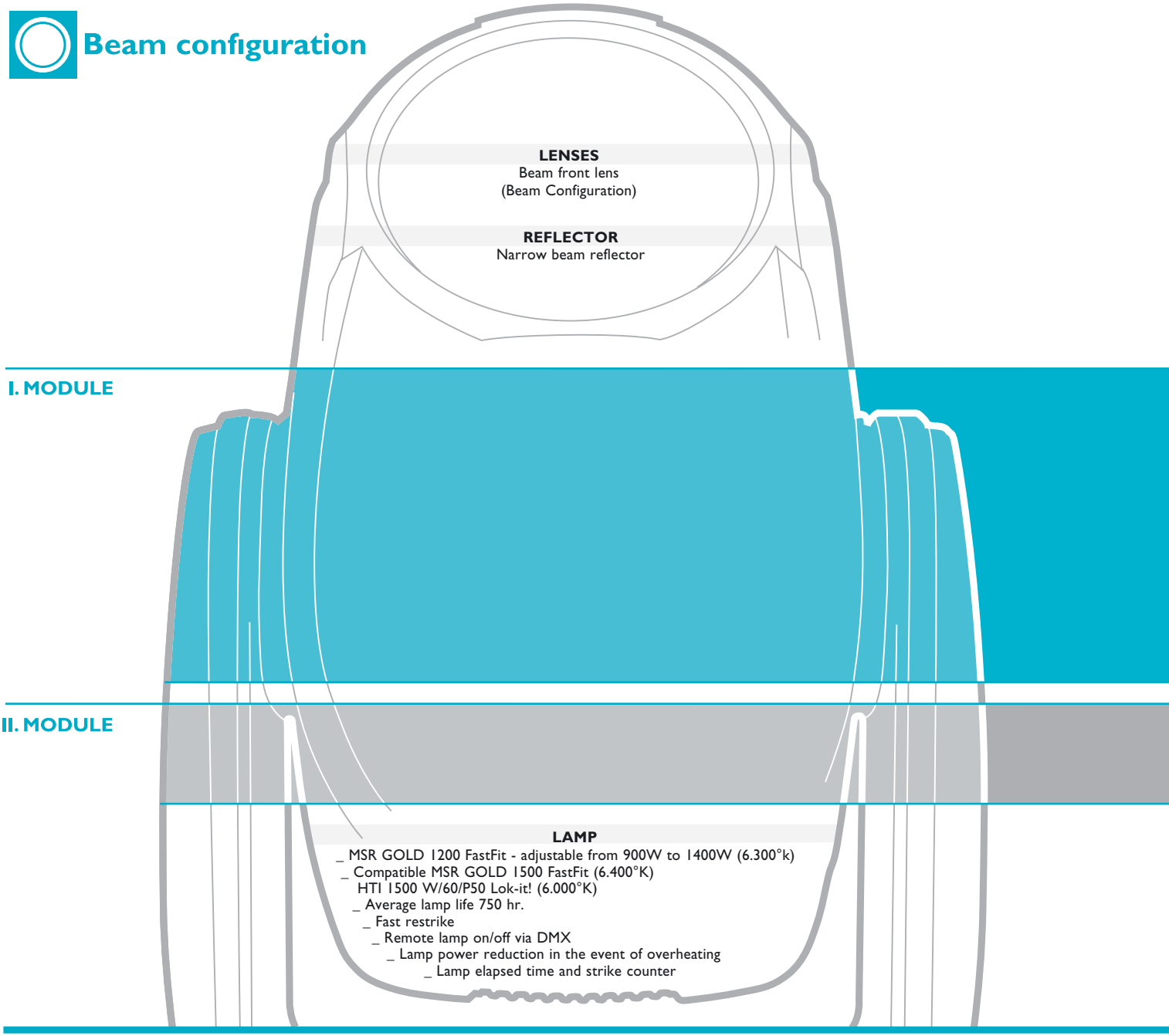
The **"CMY"** module, with CMY colour mixing system, linear CTO filter and Dimmer, is common to all configurations. The **"Beam"** module consists in a customizable gobo wheel, six rotating indexable 16-bit gobos, indexable customizable colour wheel (six colours + white), frost lens, linear iris diaphragm, rotating prism (4-facets) and animation wheel.

Giotto Beam 1500



1200 watt	**Lux max centre**	644000	161000	71556
Total Lumen 43.000	**Diameter** (m)	0,26	0,52	0,76
	Foot candle max centre	59830	14957	6648
from 1° to 6°	**Diameter** (ft)	0,86	1,72	2,58
	Lux max centre	5306	1327	590
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	493	123	55
30°	**Diameter** (ft)	9,5	18,9	28,4
1500 watt	**Lux max centre**	733860	183465	81540
Total Lumen 49.000	**Diameter** (m)	0,26	0,52	0,79
	Foot candle max centre	68178	17044	7575
from 1° to 6°	**Diameter** (ft)	0,86	1,72	2,58
	Lux max centre	6047	1512	672
	Diameter (m)	2,9	5,8	8,7
	Foot candle max centre	562	140	27
30°	**Diameter** (ft)	9,5	18,9	28,4

Beam configuration



PAN & TILT
_ 530° Pan (4 sec.).
_ 250° Tilt (3.4 sec.).
_ Pan / Tilt Lock; electronic Pan / Tilt unlocking
_ Pan/Tilt w. 8/16 bit resolution
_ Automatic Pan/Tilt repositioning

SETTINGS
_ Settings via on-board microcomputer viewable on display (even with fixture off)
_ Display "flip" function (rotates through 180°)
_ Adjustable display brightness
_ Fixture elapsed time indicator
_ On-board temperature sensors (base, power, one for each module)
_ Total fixture software update via DMX
_ Graphic display (128 x 64)

CONSUMPTION
_ Max consumption: 2,000 W
_ Automatic energy saving in the event of blackout use

ELECTRIC SPECIFICATION
_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V
_ Electronic Ballast

INPUT
_ DMX 512 or RS 232 input signal
_ 20 DMX channels - Beam configuration
_ Ethernet interface (ART-NET protocol)
_ Wireless DMX interface fitted as standard
_ RDM protocol implemented on DMX (monitoring of internal parameters)

DIMENSIONS (HxLxD) / WEIGHT
_ 79 x 48 x 55 cm
_ 43 Kg - Beam configuration

BEAM

BEAM MODULE

_ Motorized zoom/focus (6°-12°)
_ Shutter
_ Strobe 1-12 flashes/second, also with music sync
_ Customizable and indexable colour wheel: 6 colours + white.
_ Colour change with or without music sync and/or blackout
_ Rainbow colour
_ 2-tone beams
_ UV filter
_ Frost lens
_ Linear iris diaphragm
_ 1 customizable gobo wheel: 6 rotating indexable gobos (16 bit)
_ Gobo change with or without music sync and/or with blackout
_ 1 rotating prism (4 facets)
_ 1 rotating indexable animation wheel

CMY

CMY MODULE

_ Advanced CMY colour mixing
_ Linear CTO filter
_ Linear dimmer

Wireless DMX

Giotto 1500 is fitted with wireless DMX as standard.
It uses technology based on the ideas of GSM, but with operating in the license free band 2,45GHz and with a radius of over 500 metres. It has been widely tested in environments with Wi-fi, Bluetooth and GPRS-UMTS signals, with excellent results and true plug and play solution.

RDM Protocol

Giotto 1500 features RDM protocol implemented on DMX as standard. The 2-way (talkback) protocol enables real-time fixture control and monitoring, and the units are able to send information and messages regarding their status, it is also possible to set the address of the fixture's various parameters via DMX.

Ethernet Interface

Giotto 1500 is equipped as standard with an Ethernet interface that enables the fixture to be controlled via Art-net data transmission protocol.

On-board microcomputer

Giotto 1500 is fitted with a microcomputer that allows to customize the fixture according to the type of installation.
It's possible to set pan and tilt movement, obtain information on lamp life and fixture running time, run test programs, etc., all using the built-in display.

Setting parameters on the display

Giotto 1500 offers the possibility of setting all the necessary operating parameters without any mains power supply. This facility is particularly useful for touring applications.
A DIAL and two keys (ENTER and ESC) alongside the display enable intelligent navigation of the various sub-menus in the main menu. High-resolution 128x64 pixel graphic display with blue backlight.

Automatic Pan/Tilt unlocking

A unique feature in the market, and particularly useful for touring applications, where it's necessary to constantly transport fixtures with their pan and tilt blocked.
Should the operator forget, the fixture automatically unlocks Pan and Tilt when it is switched on.

400V Protection

Those working in the live entertainment industry are well aware of what happens when the power supply's neutral wire comes loose!
The fixture gets a 400V "shock" that causes considerable damage.
Giotto 1500 is protected against "Misfortune", all electronic components are designed to ensure protection against accidental incorrect power supplies.
The fixture can be operated with a power supply of between 90 and 260V, a very useful feature for those who use power generators.

Ballast PFC

A unique feature for the lighting world is that the ballast and PFC are integrated in a single module that can be easily replaced by just disconnecting three connectors and is fitted with a silent forced ventilation cooling system.

Precise rapid movement

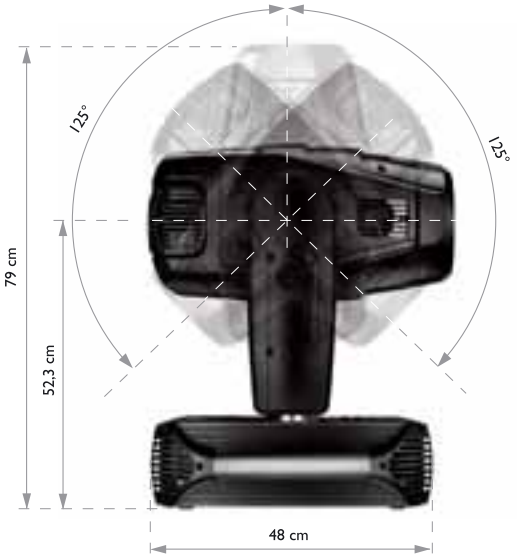
Movement precision and speed are ensured by powerful stepper motors.

Control is entrusted to a 16- bit system, inertia and acceleration times perfectly distributed and the excellently balanced mechanism guarantee precise smooth movement and high speed (530° PAN in 4 seconds and 250° TILT in 3,4 seconds).

Lamp

Giotto 1500 is fitted with a single-ended lamp with a quarter-turn fastener, thus ensuring easy, rapid maintenance.

_ Philips MSR Gold 1200 FastFit - 6.300°K
_ Philips MSR Gold 1500 FastFit - 6.400°K
_ Osram HTI 1500W/60/P Lok-it! - 6.000°K



	LENSES	LAMP	REFLECTOR	COLOUR	GOBO	EFFECTS
Digital	_ Spot front lens (Digital - Spot Profile configuration)	_ Philips MSR Gold 1200 FastFit - 6.300°K _ Philips MSR Gold 1500 FastFit - 6.400°K _ Osram HTI 1500W /60/P50 Lok-it! - 6000°K _ Average lamp life 750 hr. _ Fast restrike _ Remote lamp on/off via DMX _ Lamp power reduction in the event of overheating _ Lamp elapsed time and strike counter	_ Narrow beam reflector	_ Advanced CMY colour mixing _ Linear CTO filter _ 1 customizable colour wheel: 6 colours + white _ 1 customizable colour wheel: 5 multicolours + white	_ Customizable video clip library _ Customizable image library	_ Linear frost _ 1 rotating prism (4 facets) _ 1 fixed prism (5 facets) _ Colour change with or without music sync and/or blackout _ Rainbow colour _ 2-tone beams _ Digital iris _ 2 simultaneous layers _ Effects for each layer: rotation and indexing, digital zoom, mirroring, negative converter effect _ Global effects: digital iris, indexable digital beam shaper, 13 crossfade effects between layers, brightness and contrast, black and white masking effect, V-H mirroring, kaleidoscope
Spot	_ Spot front lens (Digital - Spot Profile configuration)	_ Philips MSR Gold 1200 FastFit - 6.300°K _ Philips MSR Gold 1500 FastFit - 6.400°K _ Osram HTI 1500W /60/P50 Lok-it! - 6000°K _ Average lamp life 750 hr. _ Fast restrike _ Remote lamp on/off via DMX _ Lamp power reduction in the event of overheating _ Lamp elapsed time and strike counter	_ Faceted reflector	_ Advanced CMY colour mixing _ Linear CTO filter _ Customizable and indexable colour wheel: 6 colours + white	_ 2 customizable gobo wheels: 6 rotating indexable gobos _ Animation wheel	_ Linear frost _ 1 rotating prism (4 facets) _ 1 fixed overlapping prism (5 facets) _ Gobo change with or without music sync and/or with blackout _ Colour change with or without music sync and/or blackout _ Rainbow colour _ 2-tone beams _ UV filter _ Linear iris diaphragm
Wash	_ Fresnel front lens (Wash configuration) _ Anti-halo PC front lens (Wash configuration) _ Super wide front lens (Wash configuration)	_ Philips MSR Gold 1200 FastFit - 6.300°K _ Philips MSR Gold 1500 FastFit - 6.400°K _ Osram HTI 1500W /60/P50 Lok-it! - 6000°K _ Compatible MSR Gold 1500 FastFit - (6.400°K) HTI 1500W /60/P50 Lok-it! - (6.000°K) _ Average lamp life 750 hr. _ Fast restrike _ Remote lamp on/off via DMX _ Lamp power reduction in the event of overheating _ Lamp elapsed time and strike counter	_ Faceted reflector	_ Advanced CMY colour mixing _ Linear CTO filter _ Customizable colour wheel: 4 colours + white		_ Colour change with or without music sync _ Rainbow colour _ Linear iris diaphragm _ Adjustable indexable beam shaper (0° to 180°) _ Linear hard/soft edge adjustment of the beam shaper and iris diaphragm _ Frost lens
Profile	_ Spot front lens (Digital - Spot Profile configuration)	_ Philips MSR Gold 1200 FastFit - 6.300°K _ Philips MSR Gold 1500 FastFit - 6.400°K _ Osram HTI 1500W /60/P50 Lok-it! - 6000°K _ Average lamp life 750 hr. _ Fast restrike _ Remote lamp on/off via DMX _ Lamp power reduction in the event of overheating _ Lamp elapsed time and strike counter	_ Faceted reflector	_ Advanced CMY colour mixing _ Linear CTO filter _ Customizable and indexable colour wheel: 6 colours + white	_ 1 customizable gobo wheel: 6 rotating indexable gobos	_ Linear frost _ 1 rotating prism (4 facets) _ 1 fixed overlapping prism (5 facets) _ Gobo change with or without music sync and/or with blackout _ Colour change with or without music sync and/or blackout _ Rainbow colour _ 2-tone beams _ UV filter _ Linear iris diaphragm _ 4-blade beam shaper _ 180° blade rotation _ Closable to full blackout
Beam	_ Beam front lens (Beam Configuration)	_ Philips MSR Gold 1200 FastFit - 6.300°K _ Philips MSR Gold 1500 FastFit - 6.400°K _ Osram HTI 1500W /60/P50 Lok-it! - 6000°K _ Compatible MSR Gold 1500 FastFit - (6.400°K) HTI 1500W /60/P50 Lok-it! - (6.000°K) _ Average lamp life 750 hr. _ Fast restrike _ Remote lamp on/off via DMX _ Lamp power reduction in the event of overheating _ Lamp elapsed time and strike counter	_ Narrow beam reflector	_ Advanced CMY colour mixing _ Linear CTO filter _ Customizable and indexable colour wheel: 6 colours + white	_ 1 customizable gobo wheel: 6 rotating indexable gobos _ Animation wheel	_ 1 rotating prism (4 facets) _ Gobo change with or without music sync and/or with blackout _ Colour change with or without music sync and/or blackout _ Rainbow colour _ 2-tone beams _ UV filter _ Linear iris diaphragm

OPTICS	DIMMER-SHUTTER -STROBE	PAN TILT	INPUT	SET UP	POWER	CONSUMPTION
_ Motorized zoom (10°- 30°) _ Motorized focus	_ Linear dimmer _ Shutter _ Strobe 1-12 flashes/second, also with music sync	_ 530° Pan (4 sec.) _ 250° Tilt (3.4 sec.) _ Pan / Tilt Lock; electronic Pan / Tilt unlocking _ Pan/Tilt w. 8/16 bit resolution _ Automatic Pan/Tilt repositioning	_ DMX 512 or RS 232 input signal _ 64 DMX channels Digital configuration _ Ethernet interface (ART-NET protocol) _ Wireless DMX interface fitted as standard _ RDM protocol implemented on DMX (monitoring of internal parameters)	_ Settings via on-board microcomputer viewable on display (even with fixture off) _ Display “flip” function (rotates through 180°) _ Adjustable display brightness _ Fixture elapsed time indicator _ On-board temperature sensors (base, power, one for each module) _ Total fixture software update via DMX _ Graphic display (128 x 64)	_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V _ Electronic Ballast	_ Max consumption: 2,000 W _ Automatic energy saving in the event of blackout use
_ Motorized zoom (12°- 36°) _ Motorized focus	_ Linear dimmer _ Shutter _ Strobe 1-12 flashes/second, also with music sync	_ 530° Pan (4 sec.) _ 250° Tilt (3.4 sec.) _ Pan / Tilt Lock; electronic Pan / Tilt unlocking. _ Pan/Tilt w. 8/16 bit resolution _ Automatic Pan/Tilt repositioning	_ DMX 512 or RS 232 input signal _ 35 DMX channels Spot configuration _ Ethernet interface (ART-NET protocol) _ Wireless DMX interface fitted as standard _ RDM protocol implemented on DMX (monitoring of internal parameters)	_ Settings via on-board microcomputer viewable on display (even with fixture off) _ Display “flip” function (rotates through 180°) _ Adjustable display brightness _ Fixture elapsed time indicator _ On-board temperature sensors (base, power, one for each module) _ Total fixture software update via DMX _ Graphic display (128 x 64)	_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V _ Electronic Ballast	_ Max consumption: 2,000 W _ Automatic energy saving in the event of blackout use
_ Motorized zoom (6°- 40°)	_ Linear dimmer _ Shutter _ Strobe 1-12 flashes/second, also with music sync	_ 530° Pan (4 sec.) _ 250° Tilt (3.4 sec.) _ Pan / Tilt Lock; electronic Pan / Tilt unlocking. _ Pan/Tilt w. 8/16 bit resolution _ Automatic Pan/Tilt repositioning	_ DMX 512 or RS 232 input signal _ 20 DMX channels Wash configuration _ Ethernet interface (ART-NET protocol) _ Wireless DMX interface fitted as standard _ RDM protocol implemented on DMX (monitoring of internal parameters)	_ Settings via on-board microcomputer viewable on display (even with fixture off) _ Display “flip” function (rotates through 180°) _ Adjustable display brightness _ Fixture elapsed time indicator _ On-board temperature sensors (base, power, one for each module) _ Total fixture software update via DMX _ Graphic display (128 x 64)	_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V _ Electronic Ballast	_ Max consumption: 2,000 W _ Automatic energy saving in the event of blackout use
_ Motorized zoom (12°- 36°) _ Motorized focus	_ Linear dimmer _ Shutter _ Strobe 1-12 flashes/second, also with music sync	_ 530° Pan (4 sec.) _ 250° Tilt (3.4 sec.) _ Pan / Tilt Lock; electronic Pan / Tilt unlocking. _ Pan/Tilt w. 8/16 bit resolution _ Automatic Pan/Tilt repositioning	_ DMX 512 or RS 232 input signal _ 35 DMX channels Profile configuration _ Ethernet interface (ART-NET protocol) _ Wireless DMX interface fitted as standard _ RDM protocol implemented on DMX (monitoring of internal parameters)	_ Settings via on-board microcomputer viewable on display (even with fixture off) _ Display “flip” function (rotates through 180°) _ Adjustable display brightness _ Fixture elapsed time indicator _ On-board temperature sensors (base, power, one for each module) _ Total fixture software update via DMX _ Graphic display (128 x 64)	_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V _ Electronic Ballast	_ Max consumption: 2,000 W _ Automatic energy saving in the event of blackout use
_ Motorized zoom/focus (6°-12°)	_ Linear dimmer _ Shutter _ Strobe 1-12 flashes/second, also with music sync	_ 530° Pan (4 sec.) _ 250° Tilt (3.4 sec.) _ Pan / Tilt Lock; electronic Pan / Tilt unlocking. _ Pan/Tilt w. 8/16 bit resolution _ Automatic Pan/Tilt repositioning	_ DMX 512 or RS 232 input signal _ 20 DMX channels Beam configuration _ Ethernet interface (ART-NET protocol) _ Wireless DMX interface fitted as standard _ RDM protocol implemented on DMX (monitoring of internal parameters)	_ Settings via on-board microcomputer viewable on display (even with fixture off) _ Display “flip” function (rotates through 180°) _ Adjustable display brightness _ Fixture elapsed time indicator _ On-board temperature sensors (base, power, one for each module) _ Total fixture software update via DMX _ Graphic display (128 x 64)	_ Power supply with PFC (universal 90/245V 50/60Hz); protected against 400V _ Electronic Ballast	_ Max consumption: 2,000 W _ Automatic energy saving in the event of blackout use

Acantocomunicazione

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www.giotto1500.com
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